Question Paper
ANMC Question Paper 2022 - Class 7

Exam ID : TEST/2024/01/19180251 Report Generation Date : 3/26/2024 2:59:40 PM

Q1: If a number x is 25% less than another number y and y is 25% more than 144, then value of x is:

A: 140

B: 144

C: 135

D: 130

Answer: C

Q2: The selling price of goods which cost Rs. 12 and were sold at a loss of 10% is:

A: Rs.10.8

B: Rs.11.0

C: Rs.11.2

D: None of the above

Answer: A

Q3: If 20% of 10% of 40 = 15% of x, then x is:

A: 5.58

B: 5.25

C: 5.33

D: 5.60

Answer: C

Q4: A sum of Rs.1500 was lent partly at 3% and partly at 5% p.a. simple interest. The total interest received after 3 years was Rs.180. The ratio of the money lent at 3% to that lent at 5% is:

A: 2:1

B: 1:1

C: 1:2

D: 3:2

Answer: B

Q5: 30% of 1200 = x% of 400, then the value of x is:

A: 90

B: 60

C: 80

D: 85

Answer: A

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Q6: The ratio between a two-digit number and the sum of the digit of that number is 3 : 1. If the digit in the unit's place is 5 more than the digit in the ten's place, what is the number?

A: 38

B: 27

C: 16

D: 49

Answer: B

Q7: What number should be added to -1/7 to get -3/5?

A: -16/35

B: 16/35

C: -2/12

D: -15/35

Answer: A

Q8: Find: 6/5 + 17/9 × 18/51

A: 1 14/15

B: 1 13/15

C: 2 13/15

D: 2 14/15

Answer: B

Q9: Find the value of: (8/3)×[-9/2 + 7/6]

A: 8 8/9

B: -(8 7/9)

C: 8 7/9

D: -(8 8/9)

Answer: D

Q10: Find the multiplicative inverse of: 13/8 × 1/5 + 2

A: -40/93

B: 40/93

C: 41/93

D: -41/93

Answer: B

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Q11: Find the possible value of x, if 4x2 - 4x + 3 = 2

A: -1/2

B: 1

C: 3/2

D: 1/2

Answer: D

Q12: What number should be subtracted from 4/9 to get -5/11?

A: 89/99

B: -86/99

C: -89/99

D: 86/99

Answer: A

Q13: If a + b + c = 4 and a2 + b2 + c2 = 10 and 1/a + 1/b + 1/c = 1 then find abc.

A: 5

B: 3

C: 4

D: 6

Answer: B

Q14: If x = -5, y = -3, then the value of x3 - 3x2 + 3x + 3y + 3y2 + y3 is:

A: 224

B: -224

C: 230

D: -230

Answer: B

Q15: In a town, 24% of people like coffee, 20% of people like tea, and the rest of the people like juice. If there are 600 people in the town, then how many people like Juice?

A: 363

B: 326

C: 336

D: 346

Answer: C

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Q16: On one day a rickshaw puller earned $160. Out of his earnings he spent $128/5 on tea and snacks, $103/2 on food and $82/5 on repairs of the rickshaw. How much did he save on that day?

A: $131/2

B: $133/2

C: $135/2

D: $137/2

Answer: B

Q17: Ramesh earns Rs. 18000 per month. He spends 1/4 of his income on food; 3/10 of the remainder on house rent and 5/21 of the remainder on the education of children. How much money is still left with him?

A: Rs. 6800

B: Rs. 7200

C: Rs. 9000

D: Rs. 8200

Answer: B

Q18: The sum of the rational numbers (–7/19) and (–6/57) is:

A: -9/19

B: 9/19

C: -13/19

D: 13/19

Answer: A

Q19: Which of the following forms a pair of equivalent rational numbers?

A: 28/35 and 36/45

B: 36/42 and 30/36

C: 40/45 and -35/40

D: -27/36 and -18/27

Answer: A

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Q20: Simplify the following: (7 + 61/2)(7 - 61/2)

A: 55

B: 43

C: 14

D: 49

Answer: B

Q21: If x = 1 - 21/2 then the value of x3 - 1/x3 is:

A: 8

B: 27

C: 14

D: 10

Answer: C

Q22: Simplify the following: (81/2 + 141/2)2 + (81/2 - 141/2)2

A: 50

B: 64

C: 28

D: 44

Answer: D

Q23: Find: 36/7 + 17/7 × 35/68

A: 169/28

B: 173/28

C: 165/28

D: 179/28

Answer: D

Q24: Find the multiplicative inverse of: (-42/5) × (-1/8)

A: -20/21

B: -21/20

C: 20/21

D: 13/42

Answer: C

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Q25: If 3x + 1/4x = 15 then find the value of 16x2 + 1/9x2

A: 1190/3

B: 1192/3

C: 1195/3

D: 1194/3

Answer: B

Q26: If 25x2 + 49y2 + 16z2 + 30 = 40x – 42y + 40z – 20, then the value of (7y + xz) will be:

A: -1

B: 3

C: 0

D: -2

Answer: D

Q27: If x2 + y2 = 38 and x – y = 6 then find the value of xy

A: 0

B: 2

C: 1

D: -2

Answer: C

Q28: Which of the following is largest fraction amongst 15/16, 23/25, 12/13 and 14/15?

A: 23/25

B: 12/13

C: 15/16

D: 14/15

Answer: C

Q29: How many 3/8 kg pieces can be cut from a cake of weight 12 kg?

A: 24

B: 48

C: 40

D: 32

Answer: D

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Q30: 14 2/3 + 12 1/3 – 18 1/3 + 4/9 =?

A: 80/9

B: 82/9

C: 83/9

D: 85/9

Answer: B